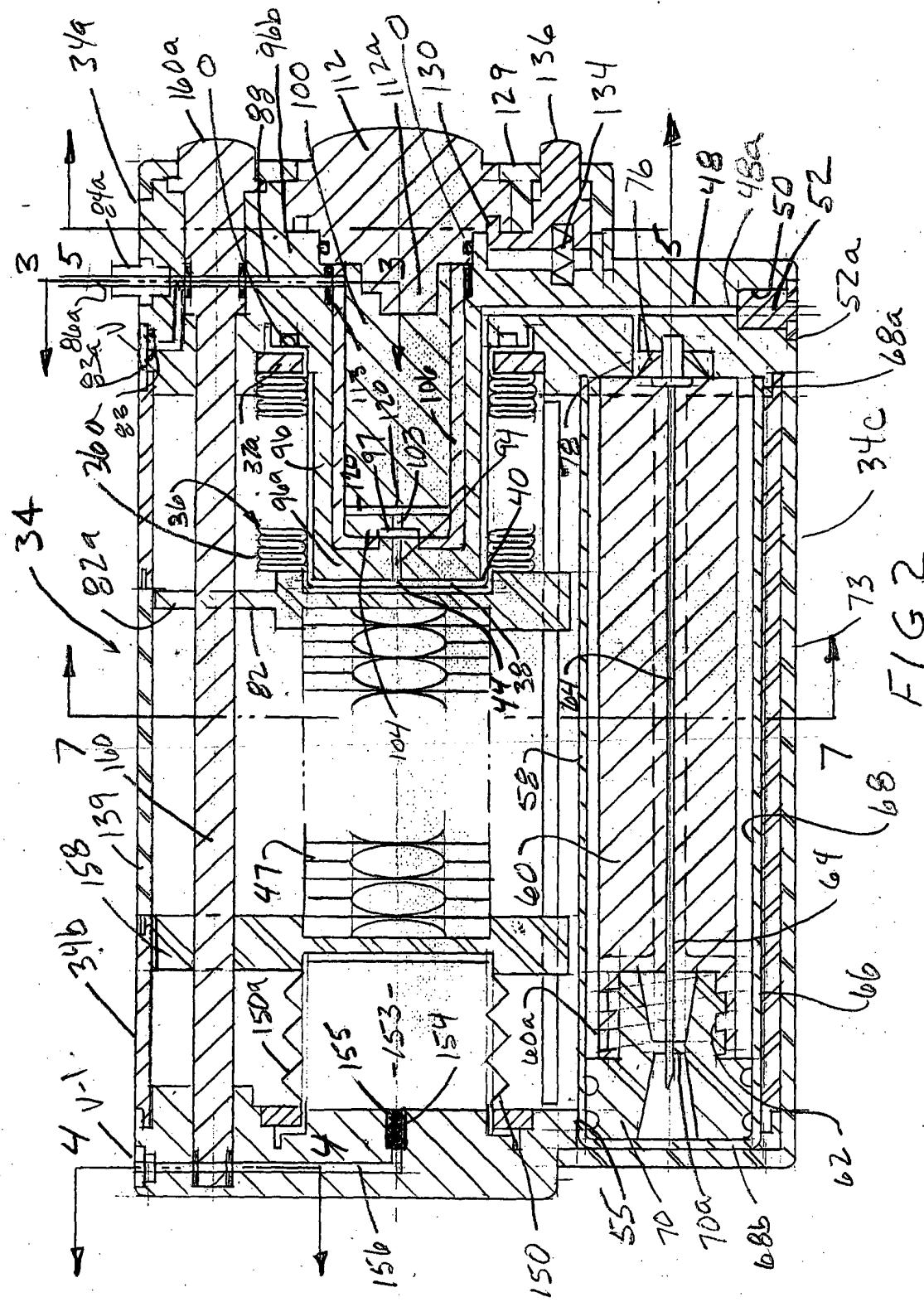


FIG 1



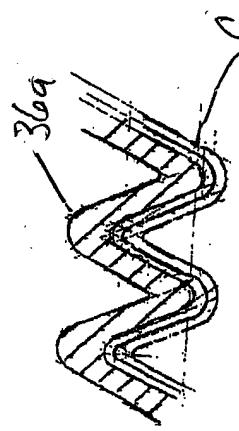
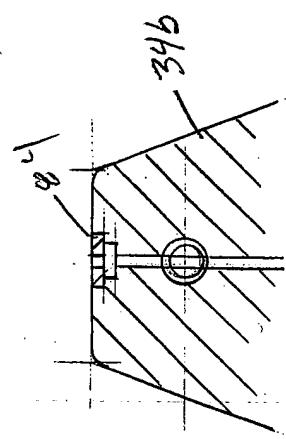


FIG. 2A

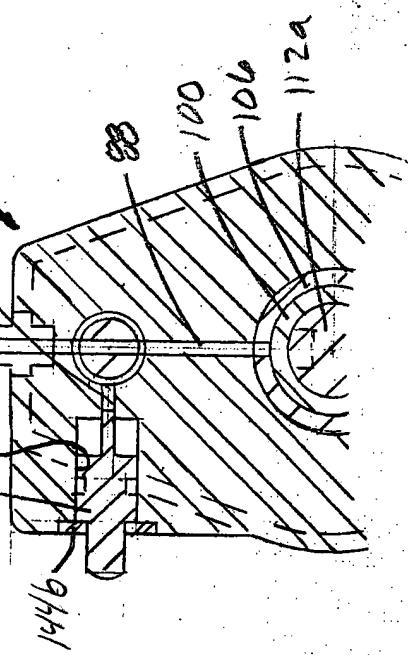


FIG. 3

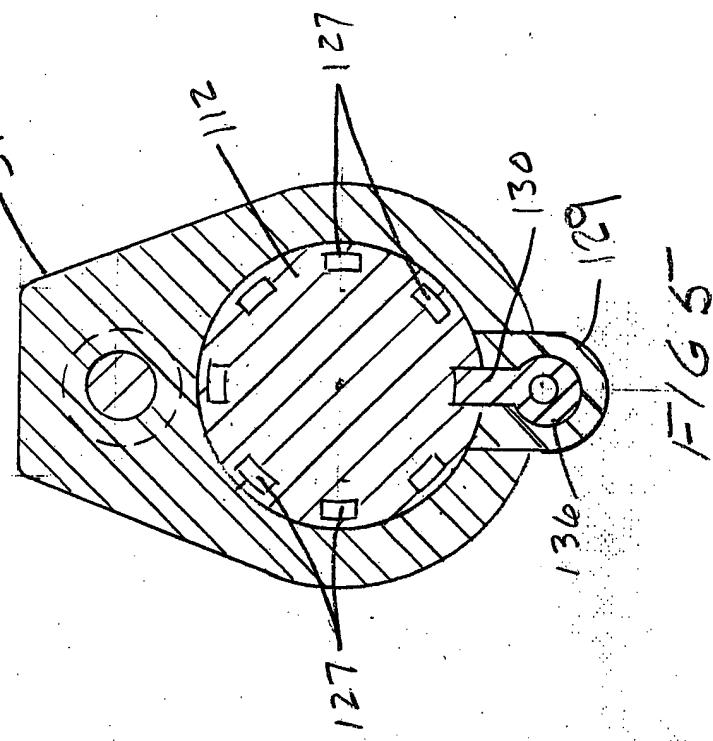


FIG. 5

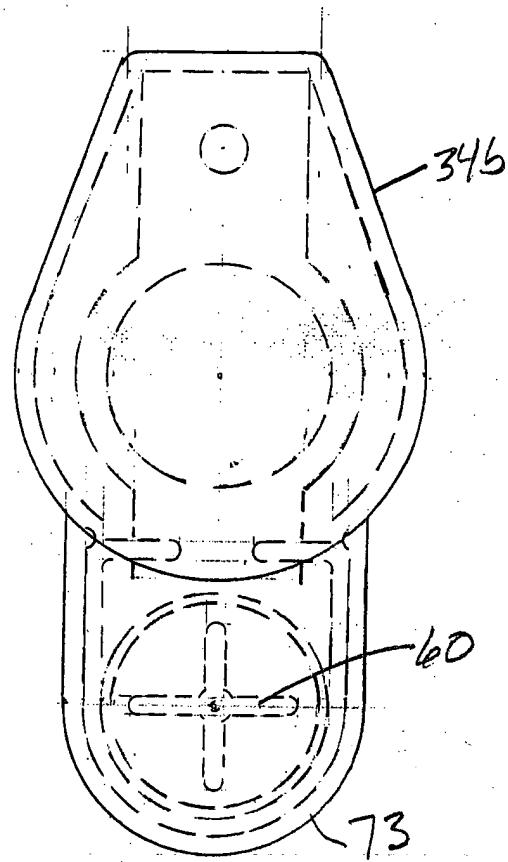


FIG 6
9

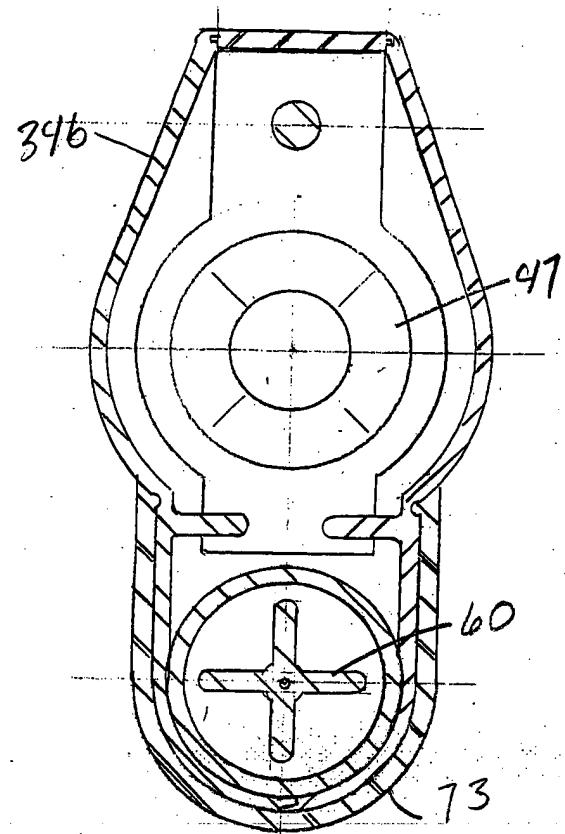


FIG 7

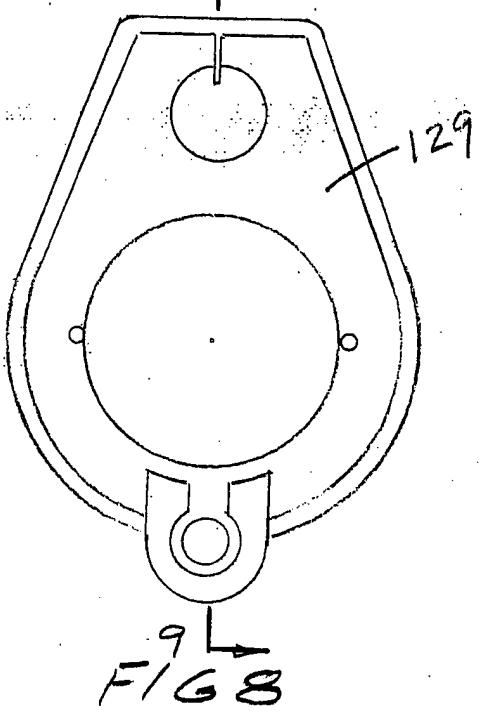


FIG 8
9

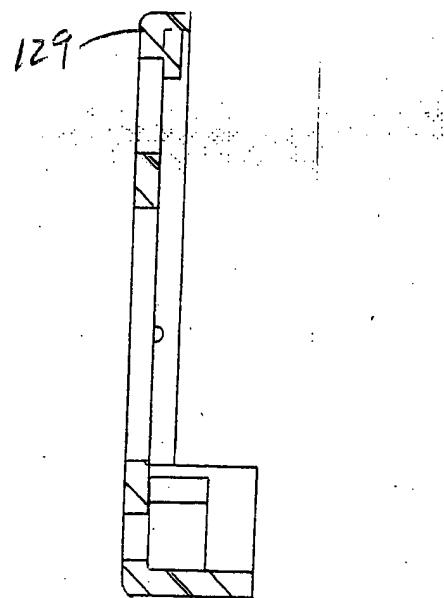
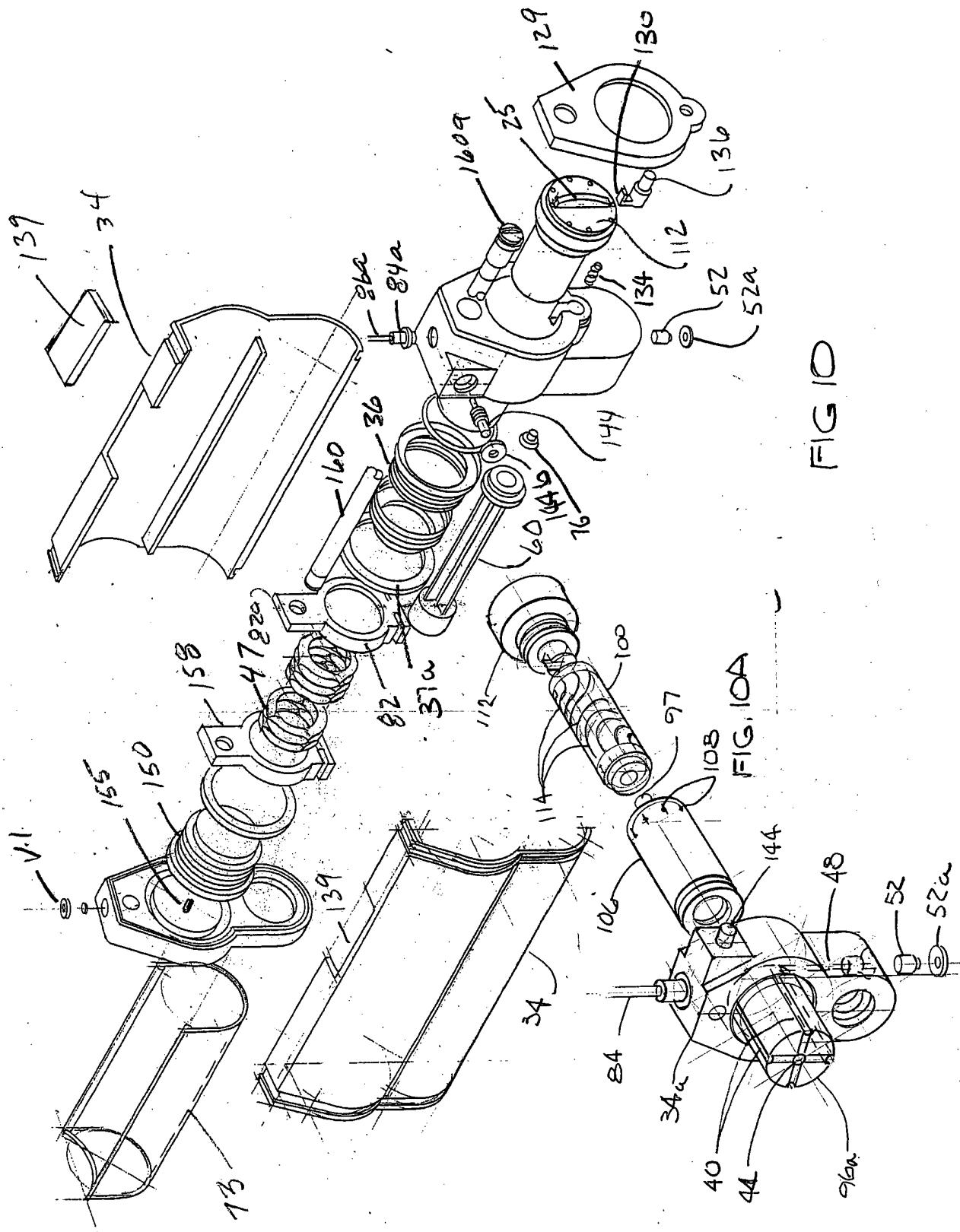
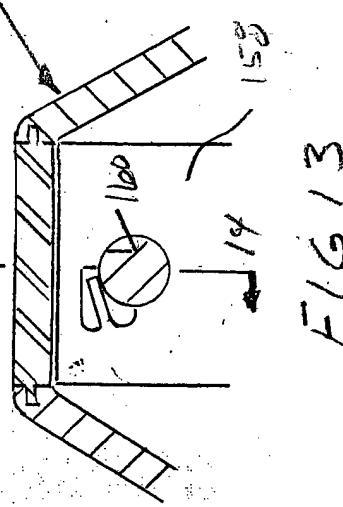
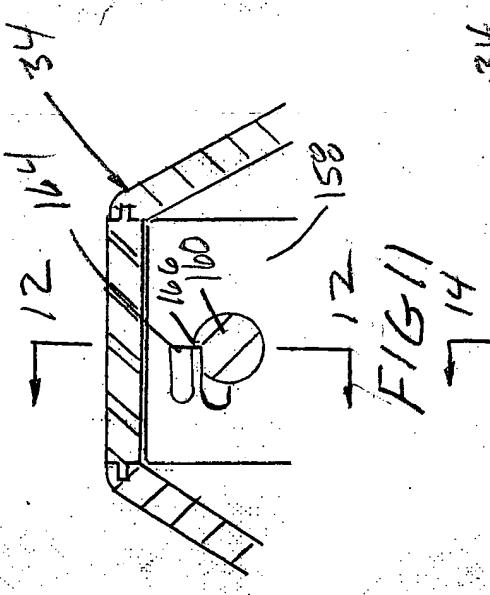
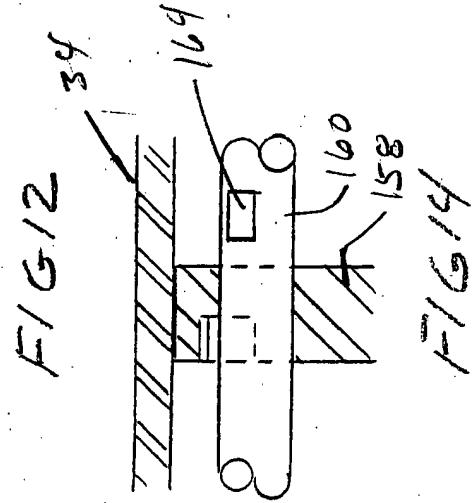
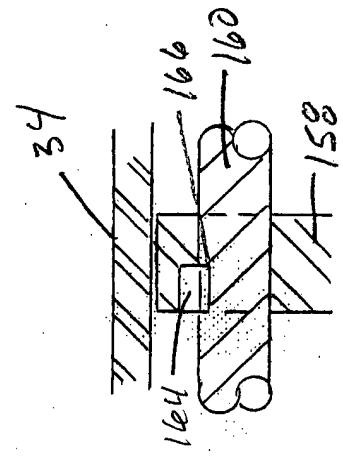


FIG 9





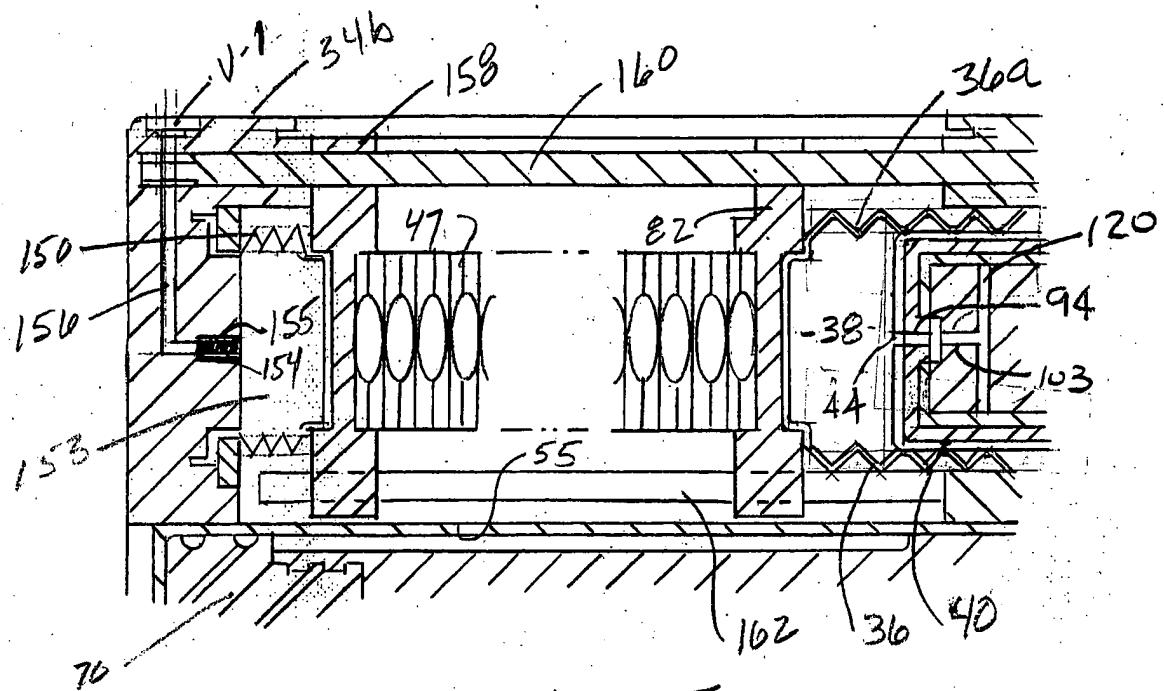
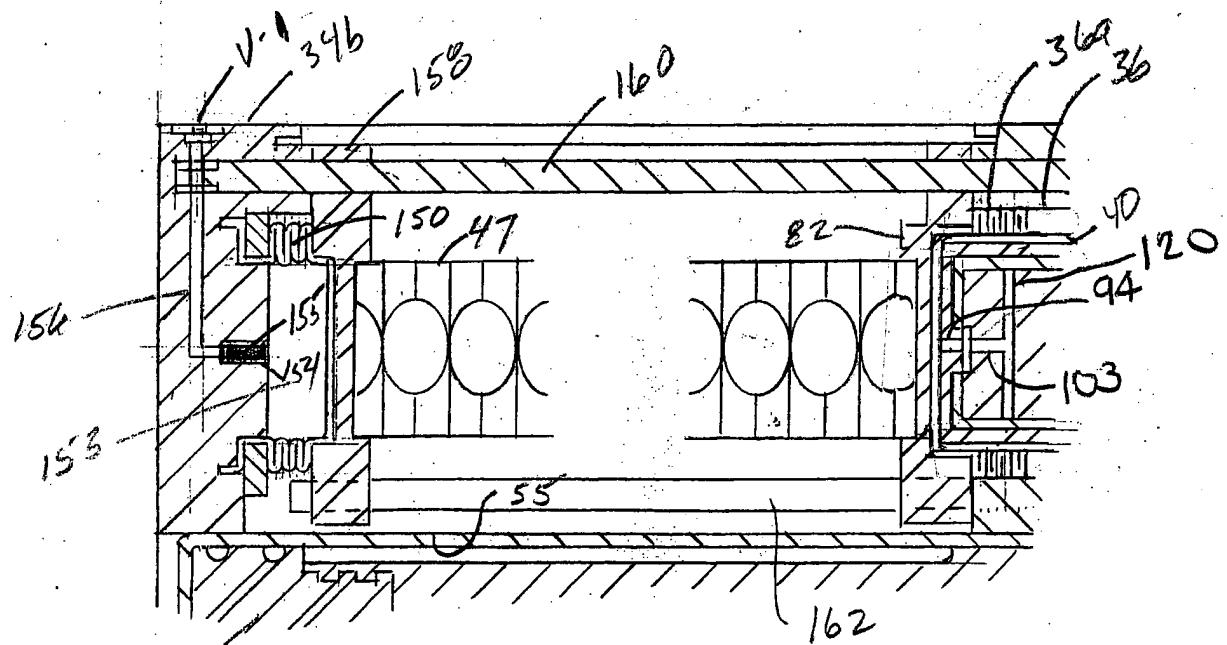
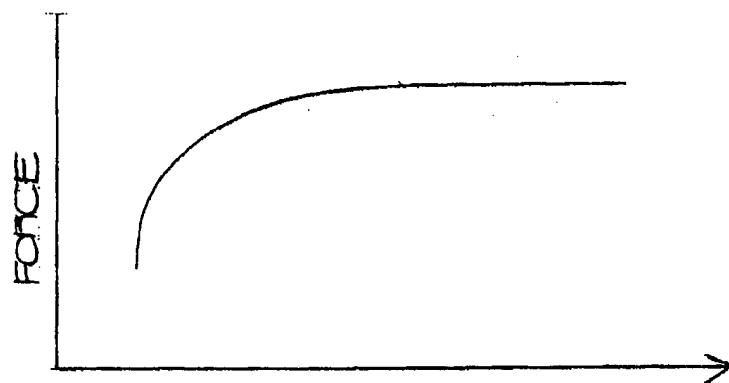
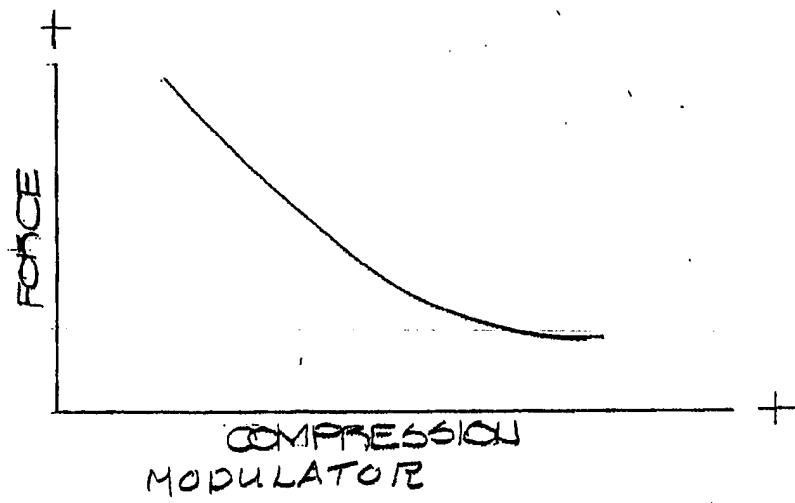
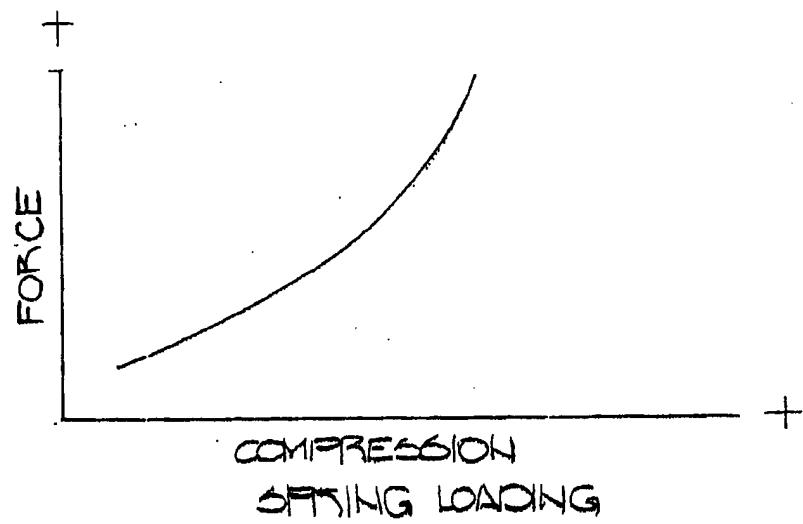


FIG 15

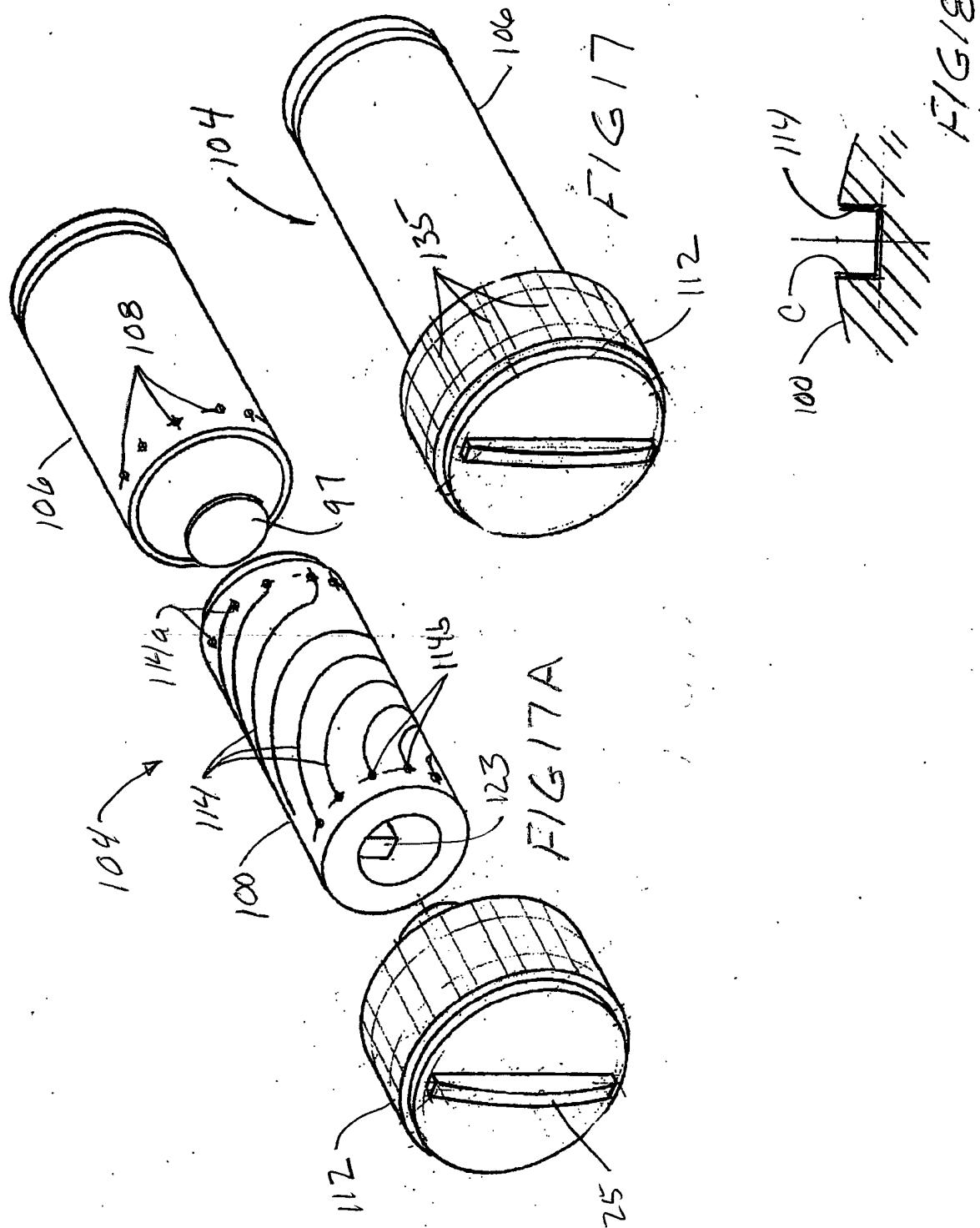


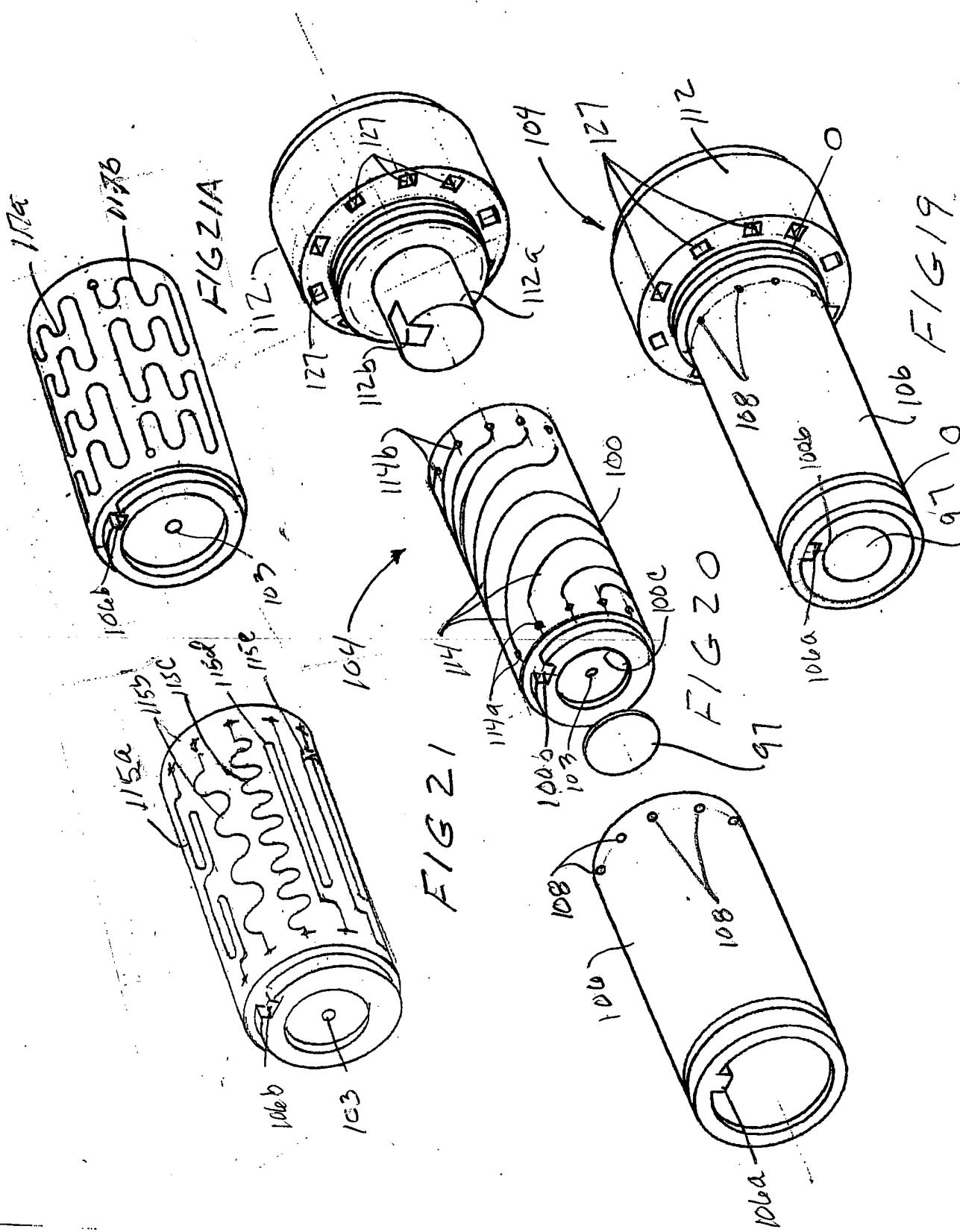
70' FIG 16



RESULTANT MODULATED LOADING

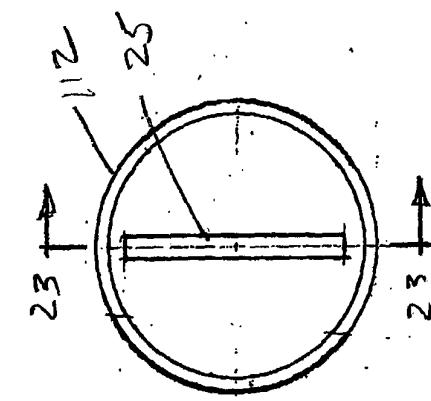
FIG16A



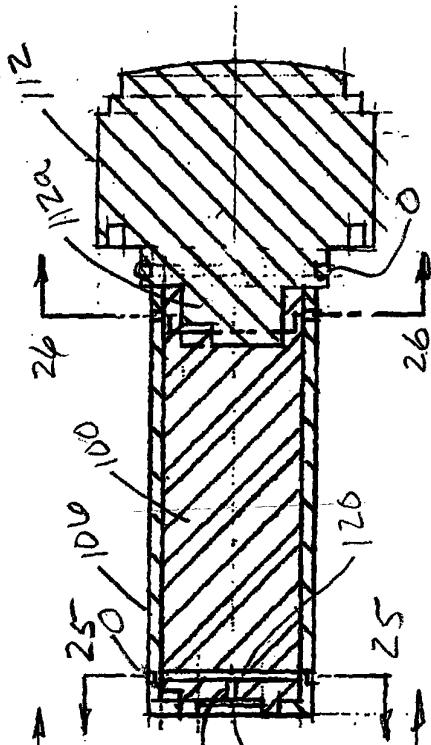




E/G 25 E/G 26



17/6/23



1624 23

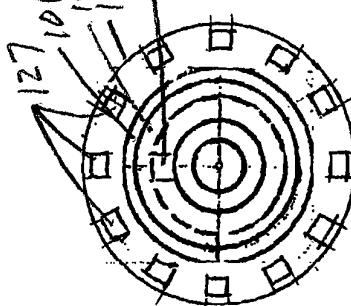
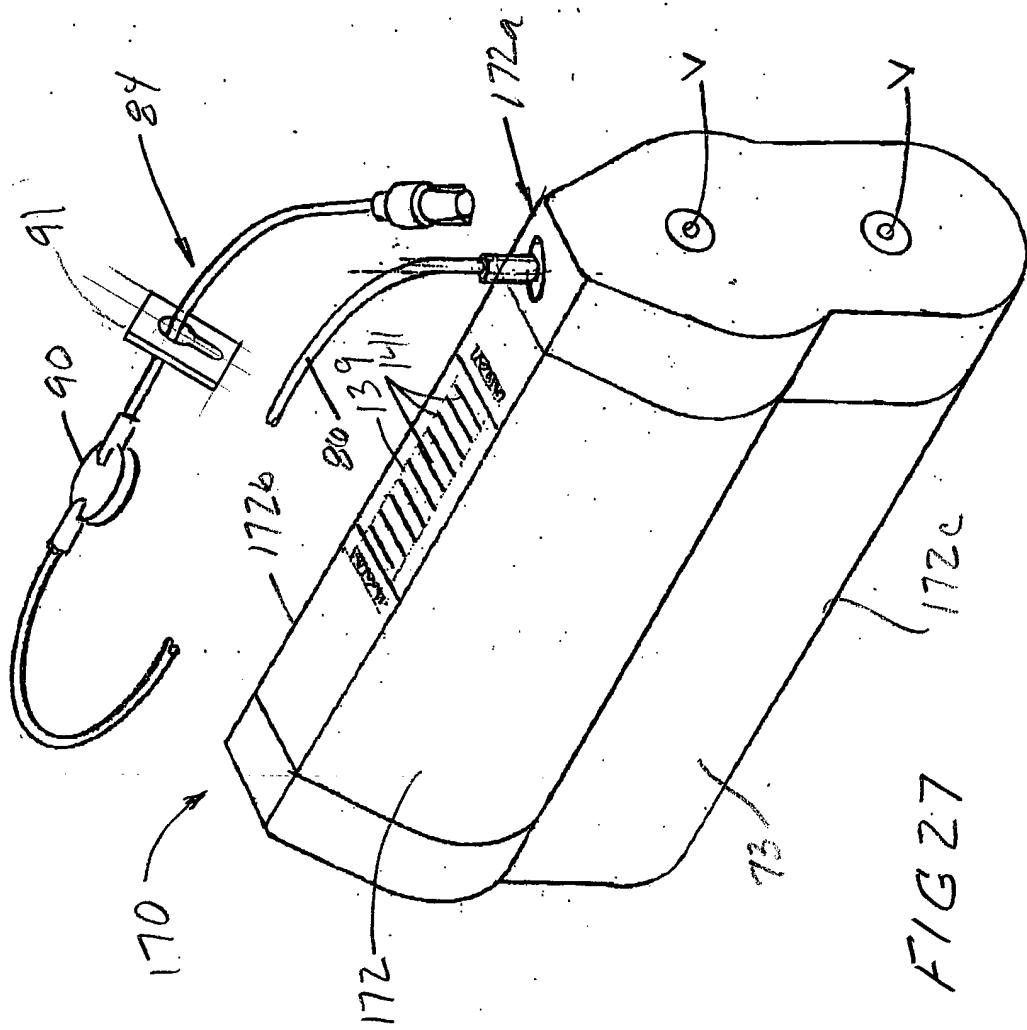


FIG 24



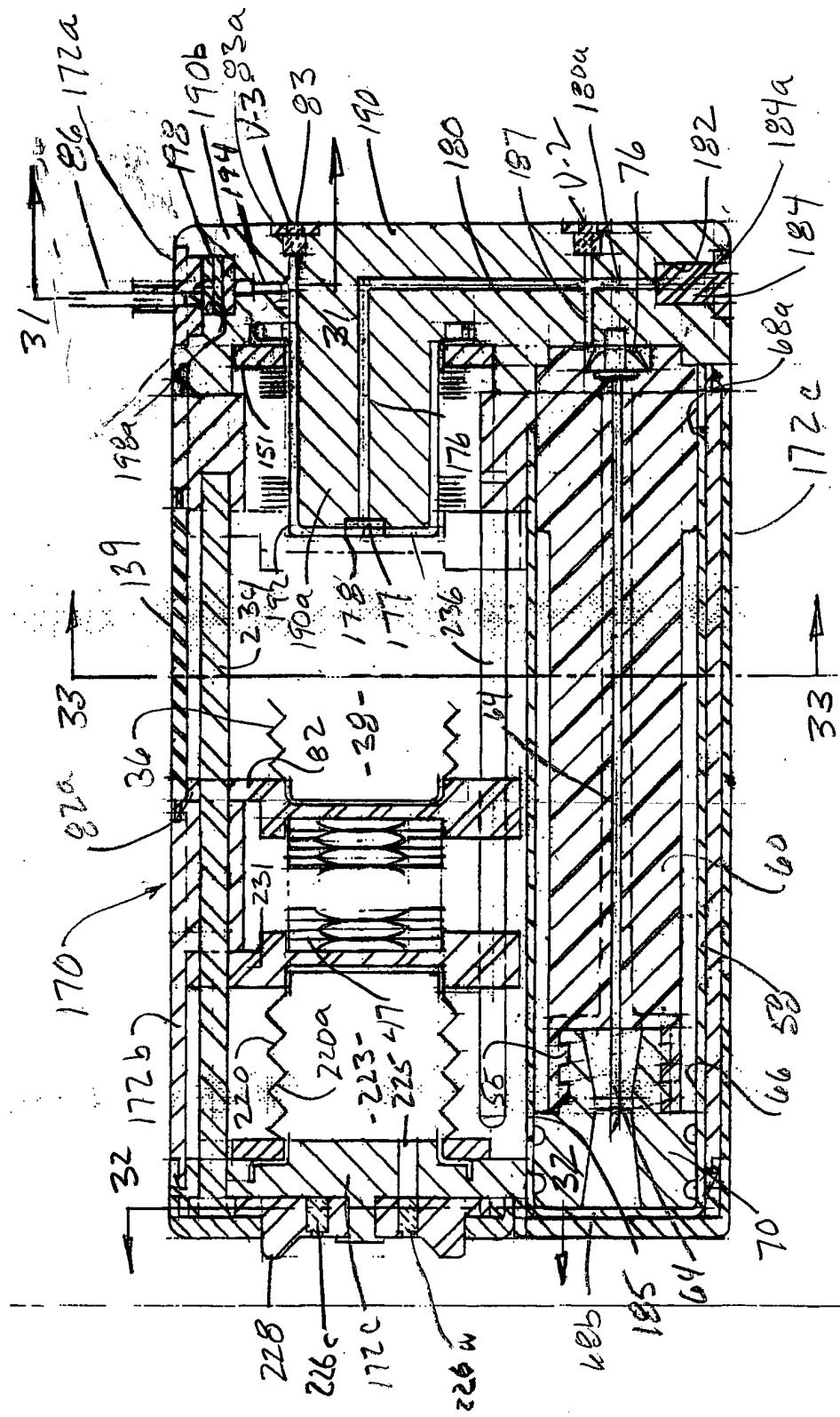


FIG 28

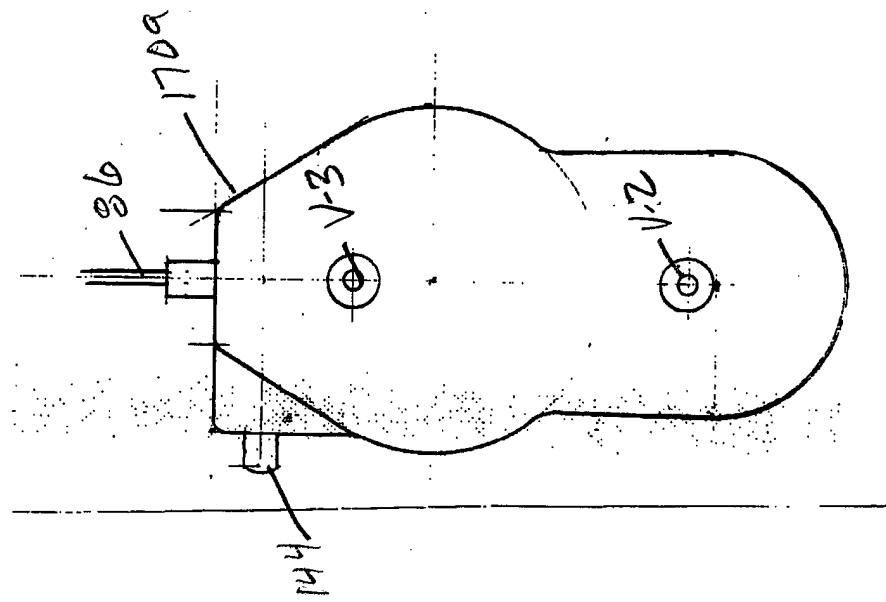


FIG 30

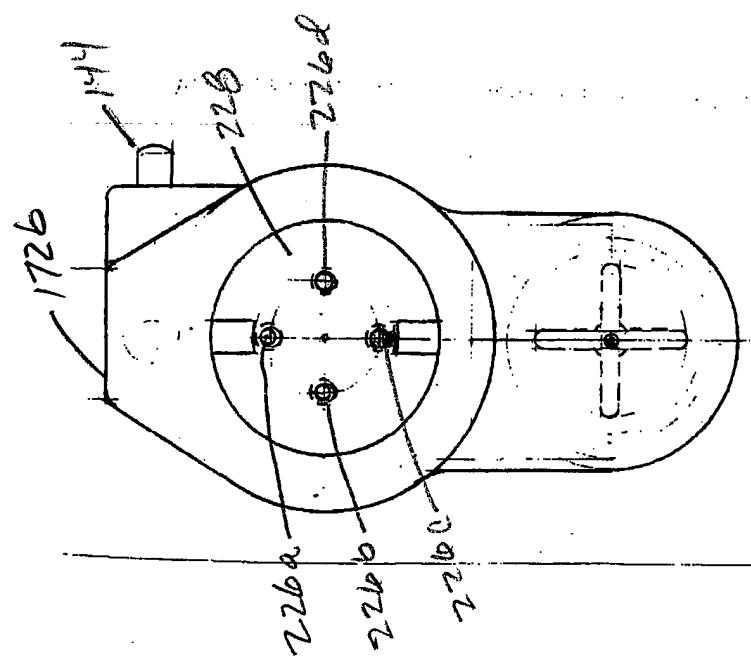
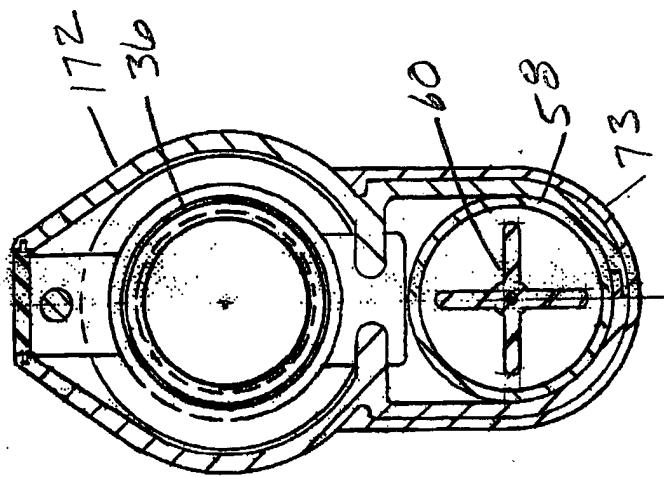
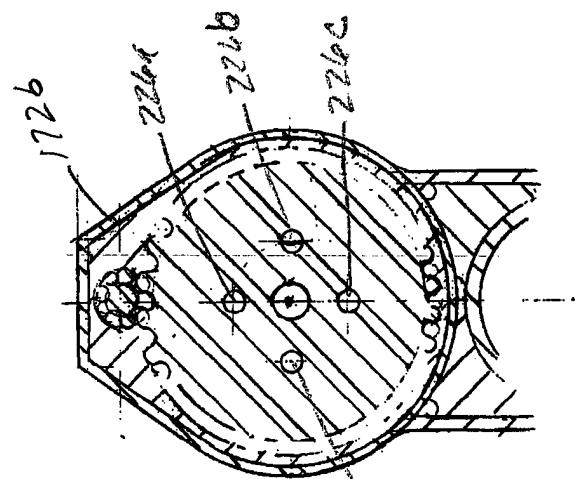


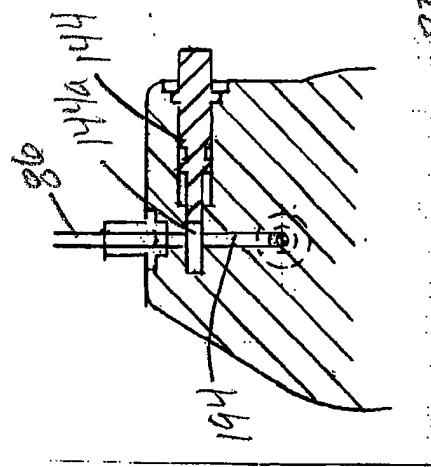
FIG 29



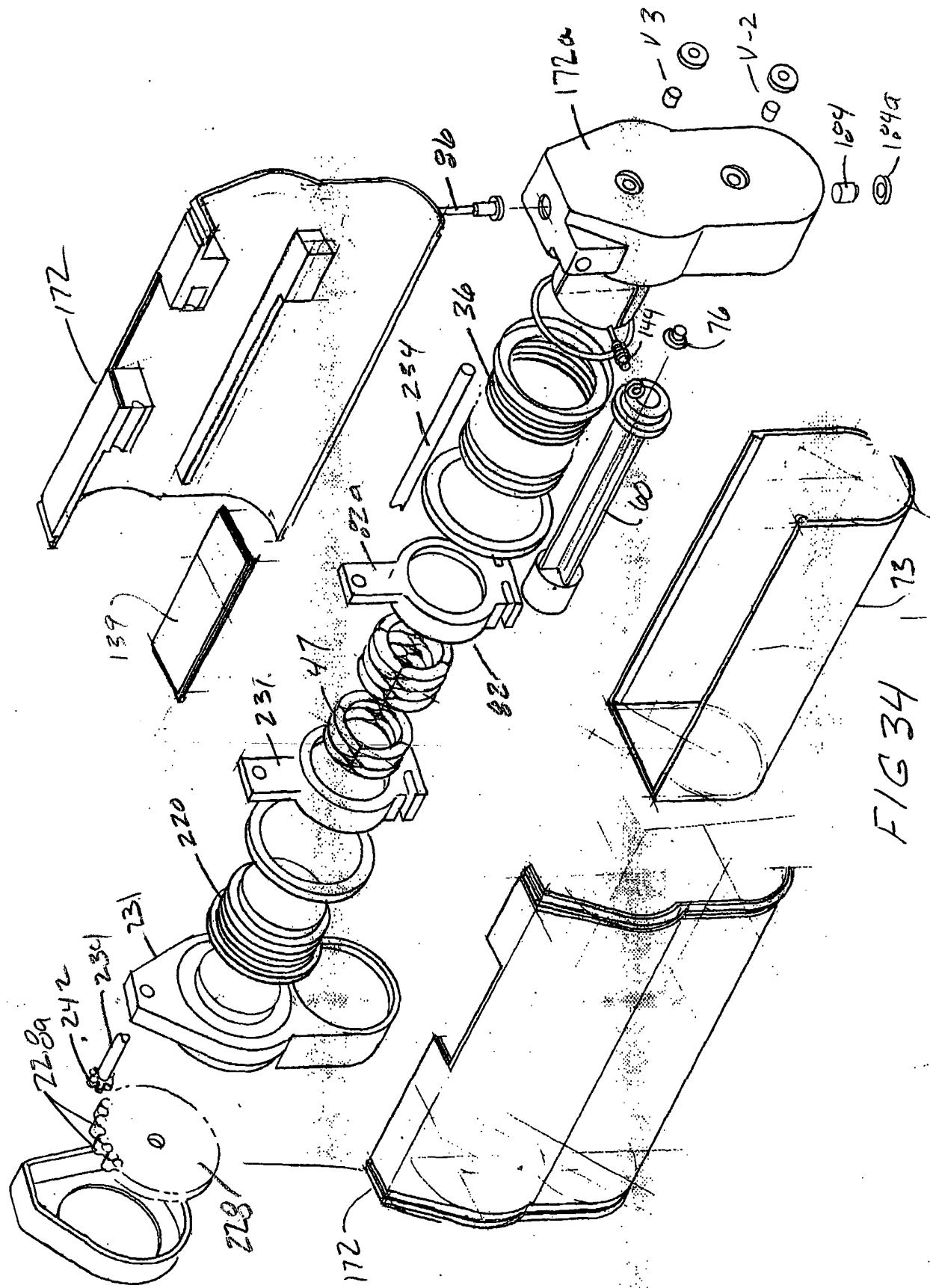
F/G 33

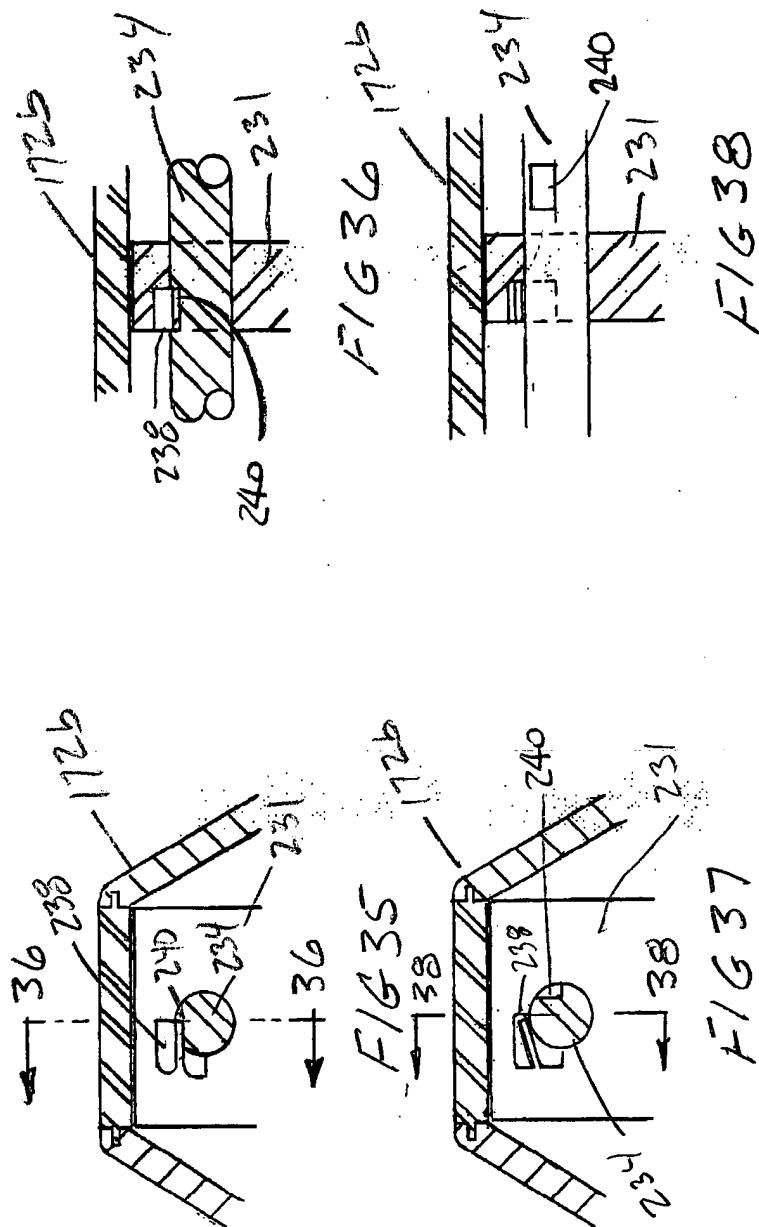


F/G 32



F/G 31





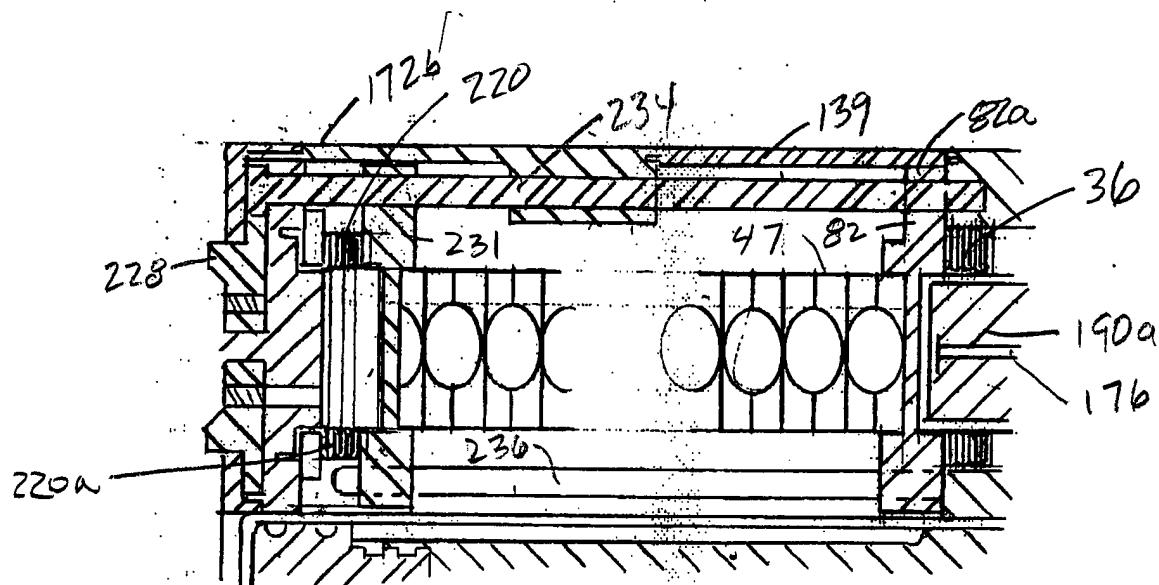


FIG 39

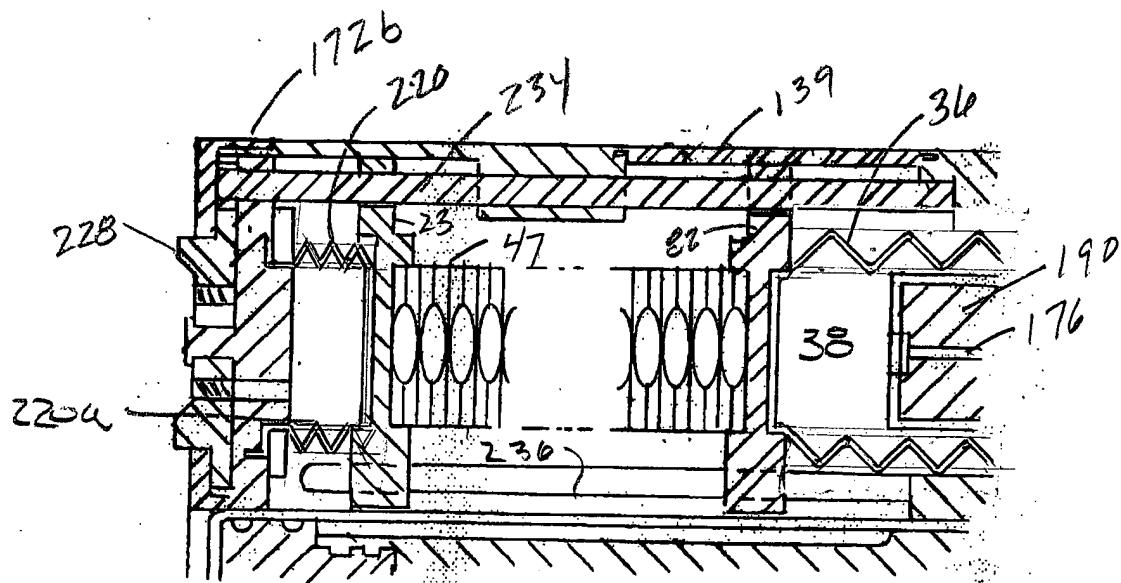
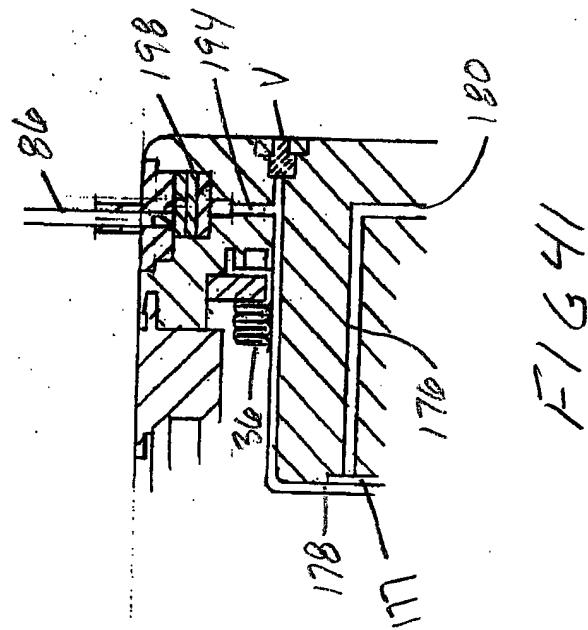
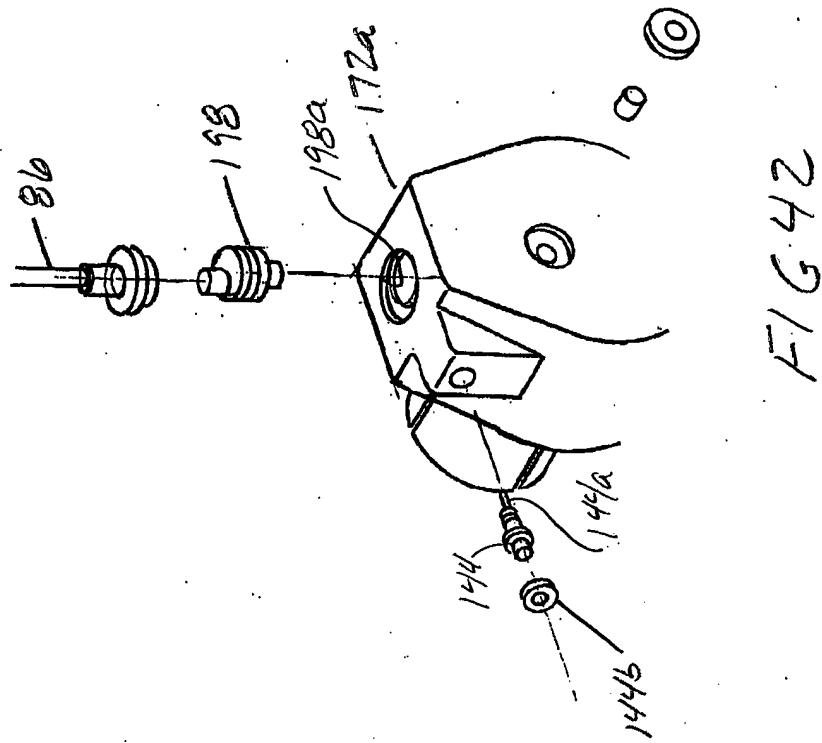


FIG 40



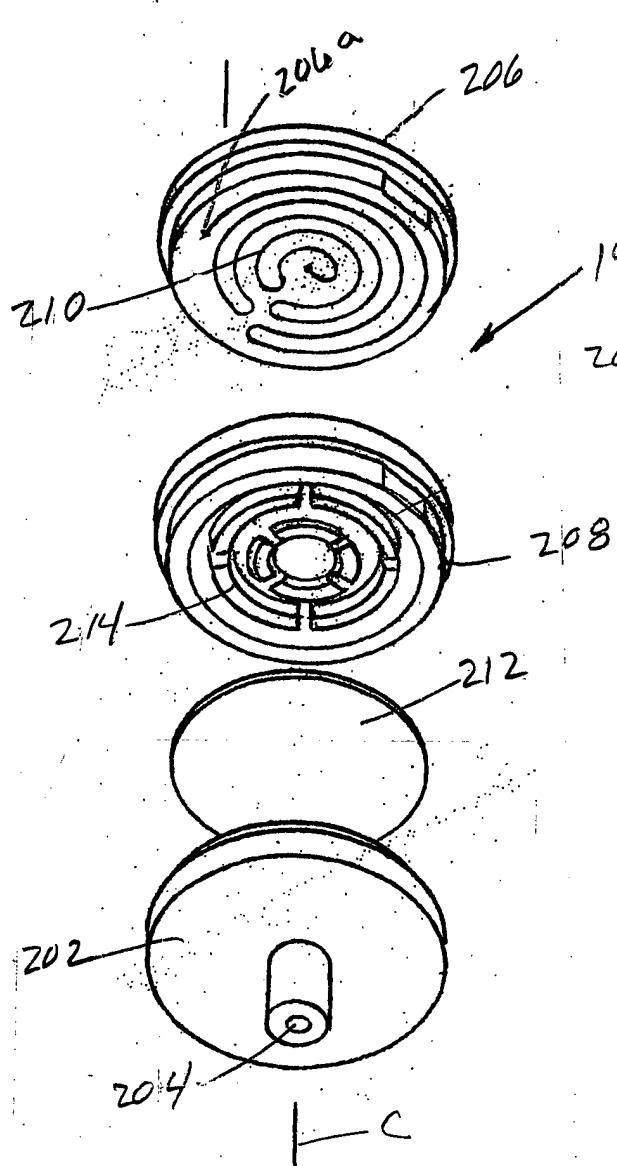


FIG 43

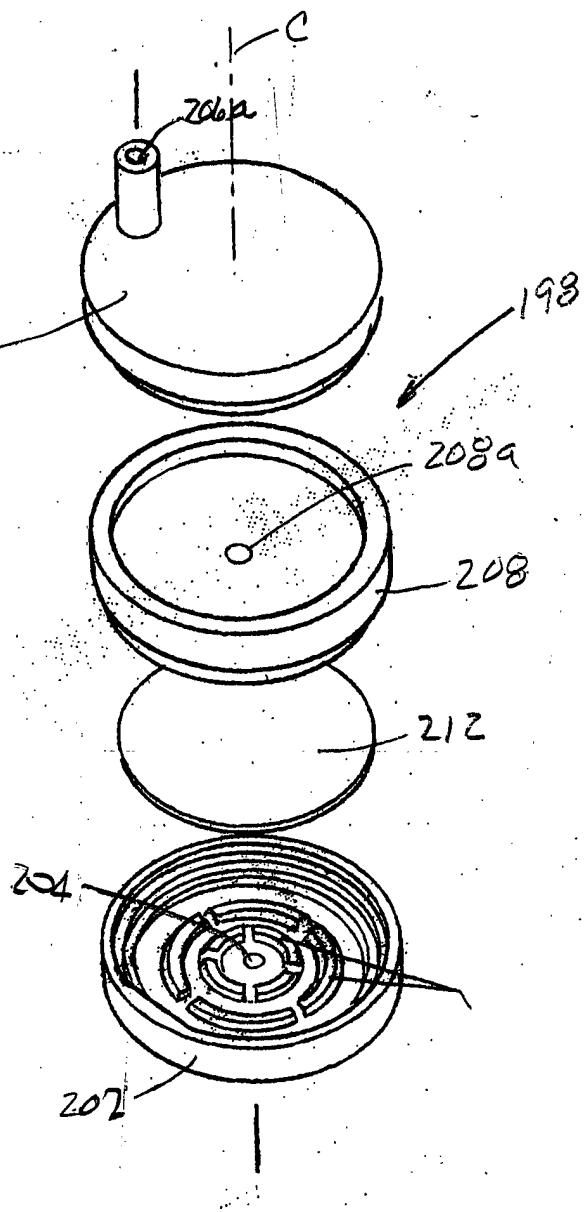
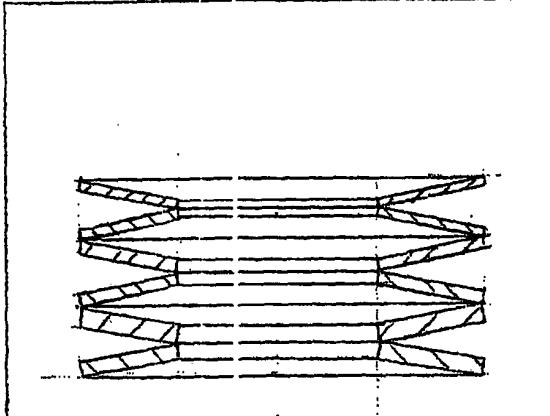


FIG 44

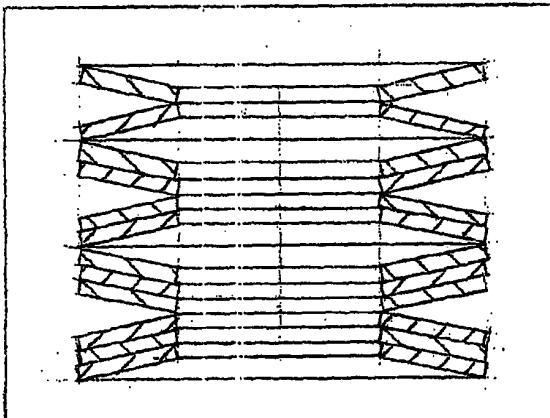
| | | |
|--------------|--|--|
| A CONFIG. | COMPRESSION SPRING | |
| B CONFIG. | CONCAVE COMP. SPRING | |
| C CONFIG. | CONCAVE CONFIGURATION | |
| D CONFIG. | CONVEX CONFIGURATION | |
| E CONFIG. | SPRING IN A SPRING CONF | |
| F CONFIG. | MULTIWAVE COMP. SPRING | |
| G CONFIG. | BELLEVILLE SPRING WASHER | |
| H CONFIG. | BELLEVILLE WASHER (STACKED) | |
| I CONFIG. | DISC SPRING (INT. TOOTH) | |
| J CONFIG. | DISC SPRING (INT. TOOTH) STACKED | |
| K CONFIG. | DISC SPRING EXTERNAL TOOTH | |
| L CONFIG. | DISC SPRING EXT. TOOTH STACKED | |
| M CONFIG. | CLOVER SPRING WASHER | |
| N CONFIG. | CLOVER SPRING WASHER STACKED | |
| O CONFIG. | FINGER SPRING WASHER | |
| P CONFIG. | FINGER SPRING WASHER (STACKED) | |

FIG 95

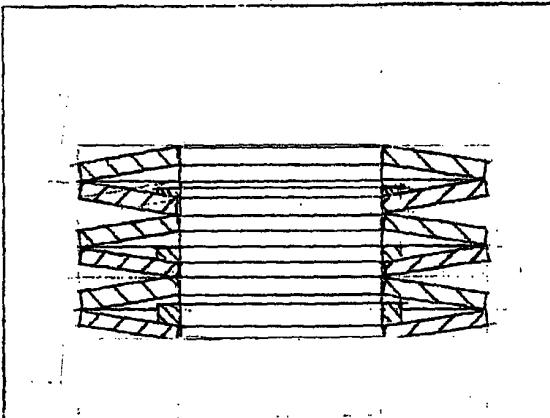
(A) DISC SPRING STACK CONSISTING OF DISC SPRINGS OF DIFFERENT THICKNESSES



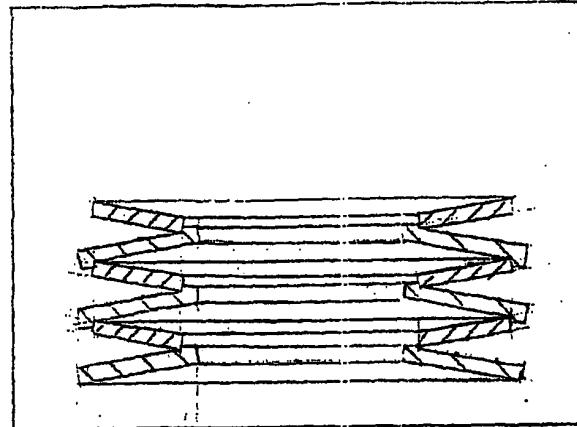
(B) DISC SPRING STACKS OF PARALLEL COM-
ONENTS OF DIFFERENT NUMBERS OF
DISC SPRINGS ARRANGED IN SERIES.



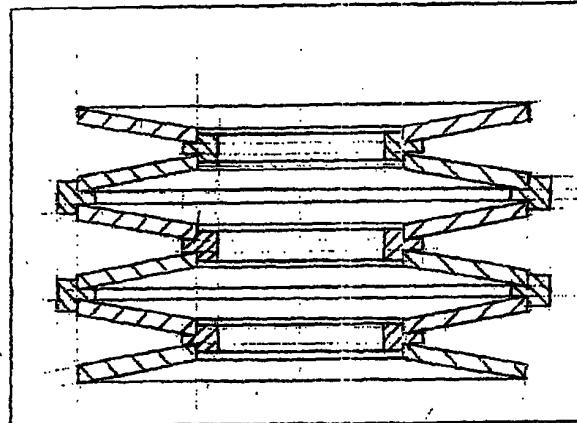
(C) DISC SPRING STACKS WITH DEFLECTION
LIMITING RINGS OF DIFFERENT THICKNESSES



(D) GUIDING BY CYLINDRICAL "SHOUL-
DERS" AT THE INSIDE & OUTSIDE DIA'S.



(E) GUIDING BY MEANS OF
INTERMEDIATE RINGS.



(F) GUIDING BY BALLS OR WIRE
RINGS.

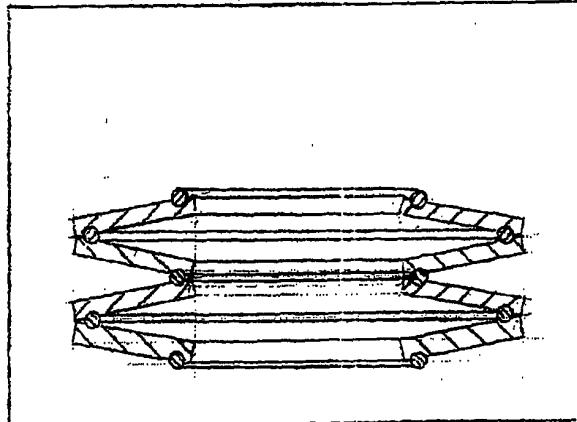


FIG 46